

logon

*** It is now 3/23/2009 1:35:05 PM ***

Welcome to DialogLink - Version 5

Revolutionize the Way You Work!

New on Dialog

Order Patent and Trademark File Histories Through Dialog

Thomson File Histories are now available directly through *Dialog*. Combined with the comprehensive patent and trademark information on *Dialog*, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in the following patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need.

Thomson File Histories are available from the following *Dialog* databases:

- CLAIMS/Current Patent Legal Status (File 123)
- CLAIMS/U.S. Patents (File 340)
- Chinese Patent Abstracts in English (File 344)
- Derwent Patents Citation Index (File 342)
- Derwent World Patents Index (for users in Japan) (File 352)
- Derwent World Patents Index First View (File 331)
- Derwent World Patents Index (File 351)
- Derwent World Patents Index (File 350)
- Ei EnCompassPat (File 353)
- European Patents Fulltext (File 348)
- French Patents (File 371)
- German Patents Fulltext (File 324)
- IMS Patent Focus (File 447, 947)

- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)
- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

Show Preferences for details

? Help Log On Msg

*** ANNOUNCEMENTS ***

*** FREE FILE OF THE MONTH: EMBASE (Files 72 ,73)

Each month Dialog offers an opportunity to try out new or unfamiliar sources by offering \$100 of free searching (either DialUnits or connect time) in one specific file. Output and

Alerts charges are not included. For more details visit:
<http://www.dialog.com/freefile/> and then take a moment to get
familiar with another great Dialog resource.

*** "Thomson File Histories" are now available directly through Dialog
in selected patent and trademark files. Combined with the
comprehensive patent and trademark information on Dialog, file
histories give you the most complete view of a patent or trademark
and its history in one place. When searching in one of the patent
and trademark databases, a link to an online order form is displayed
in your search results, saving you time in obtaining the file
histories you need. See HELP FILEHIST for more information about
how to use the link and a list of files that contain the link.

NEW FILE

***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING

***File 523, D&B European Financial Records

RELOADS COMPLETED

***Files 154&155, MEDLINE(R)

***File 227, TRADEMARKSCAN(R) - Community Trademarks

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

FILES REMOVED

***File 388,PEDS: Defense Program Summaries

***File 588,DMS-FI Contract Awards

>>>For the latest news about Dialog products, services, content<<<

>>>and events, please visit What's New from Dialog at <<<

>>><http://www.dialog.com/whatsnew/>. You can find news about <<<

>>>a specific database by entering HELP NEWS <file number>. <<<

? Help Off Line

* * *

Connecting to - Dialog - 294690

Connected to Dialog via SMS002171212

? b compsci

[File 2] **INSPEC** 1898-2009/Mar W3

(c) 2009 Institution of Electrical Engineers. All rights reserved.

[File 6] **NTIS** 1964-2009/Mar W5

(c) 2009 NTIS, Intl Cpyrghrt All Rights Res. All rights reserved.

[File 8] **Ei Compendex(R)** 1884-2009/Mar W3

(c) 2009 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2009/Mar W3

(c) 2009 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2009/Feb

(c) 2009 ProQuest Info&Learning. All rights reserved.

[File 56] **Computer and Information Systems Abstracts** 1966-2009/Mar

(c) 2009 CSA. All rights reserved.

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2009/Mar

(c) 2009 CSA. All rights reserved.

[File 65] **Inside Conferences** 1993-2009/Mar 23

(c) 2009 BLDSC all rts. reserv. All rights reserved.

[File 92] **IHS Intl.Stds.& Specs.** 1999/Nov

(c) 1999 Information Handling Services. All rights reserved.

**File 92: This file is closed.*

[File 95] **TEME-Technology & Management** 1989-2009/Feb W3

(c) 2009 FIZ TECHNIK. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2009/Feb

(c) 2009 The HW Wilson Co. All rights reserved.

[File 103] **Energy SciTec** 1974-2009/Mar B1

(c) 2009 Contains copyrighted material. All rights reserved.

**File 103: For access restrictions see Help Restrict.*

[File 144] **Pascal** 1973-2009/Mar W3

(c) 2009 INIST/CNRS. All rights reserved.

[File 239] **Mathsci** 1940-2009/Apr

(c) 2009 American Mathematical Society. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2009/Feb 25

(c) 2009 Gale/Cengage. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 647] **UBM Computer Fulltext 1988-200 9/Mar W3**

(c) 2009 UBM, LLC. All rights reserved.

[File 674] **Computer News Fulltext** 1989-2006/Sep W1

(c) 2006 IDG Communications. All rights reserved.

**File 674: File 674 is closed (no longer updates).*

[File 696] **DIALOG Telecom. Newsletters** 1995-2009/Mar 20

(c) 2009 Dialog. All rights reserved.

? s "adaptation layer parameter space"

S1 0 S "ADAPTATION LAYER PARAMETER SPACE"

?

? s adapt?(3n)parameter(3n)space

Stop request submitted

1936480 ADAPT?

1843495 PARAMETER

3316007 SPACE

S2 392 S ADAPT?(3N)PARAMETER(3N)SPACE

? s adapt?(3n)layer(3n)parameter(3n)space

Processing

1936480 ADAPT?

2446993 LAYER

1843495 PARAMETER

3316007 SPACE

S3 0 S ADAPT?(3N)LAYER(3N)PARAMETER(3N)SPACE

? s adapt?(3n)parameter?(3n)CD

Processing

1936480 ADAPT?

5374528 PARAMETER?

903598 CD

S4 6 S ADAPT?(3N)PARAMETER?(3N)CD

? t s4/free/all

4/8/1 (Item 1 from file: 2)

INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

08864591 **INSPEC Abstract Number:** A2004-06-8160C-022, B2004-03-2550E-094

Title: Challenges, developments and applications of silicon deep reactive ion etching

Publication Date: June 2003

Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Experimental (X)

Descriptors: elemental semiconductors; Langmuir probes; passivation; plasma sources; silicon; sputter etching

Identifiers: silicon deep reactive ion etching; etching speed; aspect ratio capabilities ; reliable notching suppression; dielectric interfaces; RF drive; inductive plasma source; reduction; passivation; pulsed bias; 3 kW; Si

Class Codes: A8160C (Surface treatment and degradation in semiconductor technology); A5250D (Plasma sources); A5275R (Plasma applications in manufacturing and materials processing); A5270D (Electric and magnetic plasma diagnostic techniques, probes); B2550E (Surface treatment (semiconductor technology)); B2520C (Elemental semiconductors)

Chemical Indexing:

Si int - Si cl (Elements - 1)

Numerical Indexing: power 3.0E+03 W

Copyright 2004, IEE

4/8/2 (Item 2 from file: 2)

INSPEC

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06358010 **INSPEC Abstract Number:** C9610-5320K-011

Title: Performance issues in CD-ROM-based storage systems for multimedia

Publication Date: 1996

Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Descriptors: cache storage; CD-ROMs; interactive television; multimedia computing; performance evaluation; scheduling

Identifiers: performance; CD-ROM; multimedia; desktop machines; single-user desktop environment; interactive system; input output request patterns; prefetch buffer design; seek time; adaptive main-memory hosted cache; caching hints; latency; hypergraph; short-throw seeks; video on demand server; multiple request stream scheduling; buffer management; C-SCAN; Circular SCAN algorithm; buffer size management; playback; constant-full-load admission control

Class Codes: C5320K (Optical storage); C6130M (Multimedia); C5320G (Semiconductor storage); C6120 (File organisation)

Copyright 1996, IEE

4/8/3 (Item 3 from file: 2)

INSPEC

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02636130 **INSPEC Abstract Number:** A81020646

Title: Magnetic field induced phase transition of a three-dimensional electron gas

Publication Date: Nov. 1980

Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Descriptors: cadmium compounds; charge density waves; electron gas; HF calculations; II-VI semiconductors; mercury compounds; solid-state phase transformations

Identifiers: phase transition; three-dimensional electron gas; Hartree-Fock approximation; strong magnetic field; charge density wave; hexagonal lattice; Hg/sub .8/Cd/sub .2/Te; semiconductors

Class Codes: A6470K (Solid-solid transitions); A7145 (Collective effects)

4/8/4 (Item 1 from file: 8)

0015508852 **E.I. COMPENDEX No:** 2003247504647

Challenges, developments and applications of silicon deep reactive ion etching

Publication Date: 20030613

Conference Title: Proceedings of the 28th International Conference on MNE

4/8/5 (Item 1 from file: 34)

SciSearch(R) Cited Ref Sci

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11804786

Genuine Article#: 695QQ **Number of References:** 19

Challenges, developments and applications of silicon deep reactive ion etching

(ABSTRACT AVAILABLE)

Publication date: 20030600

Journal Subject Category: ENGINEERING, ELECTRICAL & ELECTRONIC; OPTICS; PHYSICS, APPLIED

Descriptors--Author Keywords: high rate silicon etching ; uniformity ; balanced inductively coupled plasma ; high aspect ratio silicon ; anti-notching

Identifiers-- KeyWord Plus(R): HIGH-DENSITY PLASMAS

4/8/6 (Item 1 from file: 144)

Pascal

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16185447 PASCAL No.: 03-0343732

Challenges, developments and applications of silicon deep reactive ion etching

Proceedings of the 28th International Conference on Micro- and Nano-Engineering, September 16-19, 2002, Lugano, Switzerland

2003

English Descriptors: Reactive ion etching; Aspect ratio; Industrial application; Optimization; Computer hardware; Plasma sources; Etching rate; Wafer; Trench technology; Passivation; Inductively coupled plasma; Microelectronic fabrication; Dielectric materials

French Descriptors: Gravure ionique reactive; Rapport aspect; Application industrielle; Optimisation; Matériel(informatique); Source plasma; Vitesse gravure; Pastille électronique; Technologie tranchée; Passivation; Plasma couple inductivement; Fabrication microélectronique; Diélectrique

Classification Codes: 001D03F17

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? TYPE 6358010/full from 2

6358010/9 (Direct type from file: 2)

INSPEC

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06358010 INSPEC Abstract Number: C9610-5320K-011

Title: Performance issues in CD-ROM-based storage systems for multimedia

Author Shastri, V.; Rangan, P.V.; Rajaraman, V.; Pittet, A.; Kumar, S.S.

Author Affiliation: Centre for Electron. Design Technol., Indian Inst. of Sci., Bangalore, India

Conference Title: Proceedings of the International Conference on Multimedia Computing and Systems (Cat. No.96TB100057) p. 618-21

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1996 **Country of Publication:** USA xxii+626 pp.

ISBN: 0 8186 7436 9 **Material Identity Number:** XX96-01502

U.S. Copyright Clearance Center Code: 0 8186 7436 9/96/\$5.00

Conference Title: Proceedings of the Third IEEE International Conference on Multimedia Computing and Systems

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia Comput

Conference Date: 17-23 June 1996 **Conference Location:** Hiroshima, Japan

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: CD-ROMs have proliferated as a distribution media for desktop machines for a large variety of multimedia applications. We look at issues related to the single-user desktop environment. Since these multimedia applications are highly interactive in nature, we take a pragmatic approach, and have made a detailed study of the multimedia application behavior in terms of the I/O request patterns generated to the CD-ROM subsystem by tracing these patterns. We discuss prefetch buffer design and seek time characteristics in the context of the analysis of these traces. We show that it is best to place multimedia streams near the center of the CD-ROM. We present the parameters of an adaptive main-memory hosted cache that receives caching hints from the application to reduce the latency when the user moves from one node of the hypergraph to another. We show that short-throw seeks of distance 100 are the most important. We look at the use of CD-ROMs in a video on demand server (VoD) and discuss the problem of scheduling multiple request streams and buffer management in this scenario. We adapt C-SCAN (Circular SCAN) algorithm to suit the CD-ROM drive characteristics and prove that it is optimal in terms of buffer size management. We provide computationally inexpensive relations by which this algorithm can be implemented. We then propose a 'constant-full-load' admission control algorithm which admits new request streams from a pool of dummy requests without disrupting the continuity of playback of the previous request streams. The algorithm also supports operations such as fast forward and replay. (8 Refs)

Subfile: C

Descriptors: cache storage; CD-ROMs; interactive television; multimedia computing; performance evaluation; scheduling

Identifiers: performance; CD-ROM; multimedia; desktop machines; single-user desktop environment; interactive system; input output request patterns; prefetch buffer design; seek time; adaptive main-memory hosted cache; caching hints; latency; hypergraph; short-throw seeks; video on demand server; multiple request stream scheduling; buffer management; C-SCAN; Circular SCAN algorithm; buffer size management; playback; constant-full-load admission control

Class Codes: C5320K (Optical storage); C6130M (Multimedia); C5320G (Semiconductor storage); C6120 (File organisation)

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? d s

Set	Items	Description
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S1	0	S "ADAPTATION LAYER PARAMETER SPACE"
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S2 392 S ADAPT? (3N) PARAMETER (3N) SPACE
 S3 0 S ADAPT? (3N) LAYER (3N) PARAMETER (3N) SPACE
 S4 6 S ADAPT? (3N) PARAMETER? (3N) CD

? t s4/kwic/9

>>>W: Item 9 is not within valid item range for file 696

? t s4/kwic/2

4/KWIC/2 (Item 2 from file: 2)

INSPEC

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Abstract: ...We show that it is best to place multimedia streams near the center of the **CD-ROM**. We present the **parameters** of an **adaptive** main-memory hosted cache that receives caching hints from the application to reduce the latency...

? TYPE 6358010/full from 2

6358010/9 (Direct type from file: 2)

INSPEC

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06358010 **INSPEC Abstract Number:** C9610-5320K-011

Title: Performance issues in CD-ROM-based storage systems for multimedia

Author Shastri, V.; Rangan, P.V.; Rajaraman, V.; Pittet, A.; Kumar, S.S.

Author Affiliation: Centre for Electron. Design Technol., Indian Inst. of Sci., Bangalore, India

Conference Title: Proceedings of the International Conference on Multimedia Computing and Systems (Cat. No.96TB100057) p. 618-21

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1996 **Country of Publication:** USA xxii+626 pp.

ISBN: 0 8186 7436 9 **Material Identity Number:** XX96-01502

U.S. Copyright Clearance Center Code: 0 8186 7436 9/96/\$5.00

Conference Title: Proceedings of the Third IEEE International Conference on Multimedia Computing and Systems

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia Comput

Conference Date: 17-23 June 1996 **Conference Location:** Hiroshima, Japan

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: CD-ROMs have proliferated as a distribution media for desktop machines for a large variety of multimedia applications. We look at issues related to the single-user desktop environment. Since these multimedia applications are highly interactive in nature, we take a pragmatic approach, and have made a detailed study of the multimedia application behavior in terms of the I/O request patterns generated to the CD-ROM subsystem by tracing these patterns. We discuss prefetch buffer design and seek time characteristics in the context of the analysis of these traces. We show that it is best to place multimedia streams near the center of the CD-ROM. We present the parameters of an adaptive main-memory hosted cache that receives caching hints from the application to reduce the latency when the user moves from one node of the hypergraph to another. We show that short-throw seeks of distance 100 are the most important. We look at the use of CD-ROMs in a video on demand server (VoD) and discuss the problem of scheduling multiple request streams and buffer management in this scenario. We adapt C-SCAN (Circular SCAN) algorithm to suit the CD-ROM drive characteristics and prove that it is optimal in terms of buffer size management. We provide computationally inexpensive relations by which this algorithm can be implemented. We then propose a 'constant-full-load' admission control algorithm which admits new request streams from a pool of dummy requests without disrupting the continuity of playback of the previous request streams. The algorithm also supports operations such as fast forward and replay. (8 Refs)

Subfile: C

Descriptors: cache storage; CD-ROMs; interactive television; multimedia computing; performance evaluation; scheduling

Identifiers: performance; CD-ROM; multimedia; desktop machines; single-user desktop environment; interactive system; input output request patterns; prefetch buffer design; seek time; adaptive main-memory hosted cache; caching hints; latency; hypergraph; short-throw seeks; video on demand server; multiple request stream scheduling; buffer management; C-SCAN; Circular SCAN algorithm; buffer size management; playback; constant-full-load admission control

Class Codes: C5320K (Optical storage); C6130M (Multimedia); C5320G (Semiconductor storage); C6120 (File organisation)

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? s key and locker and optical and (disc or disk)

1565204 KEY

3293 LOCKER

3667520 OPTICAL

232374 DISC

576164 DISK

S5 11 S KEY AND LOCKER AND OPTICAL AND (DISC OR DISK)

? t s5/free/all

5/8/1 (Item 1 from file: 2)

INSPEC

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08763123 **INSPEC Abstract Number:** B2003-11-4120-023, C2003-11-5320K-016

Title: Protected data storage system for optical discs

Publication Date: 2003

Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Descriptors: cryptography; optical disc storage

Identifiers: protected data storage system; unauthorized access protection; optical discs; key locker; digital rights management; DRM system; CD; DVD; cryptographic keys

Class Codes: B4120 (Optical storage and retrieval); B6120D (Cryptography); C5320K (Optical storage); C6130S (Data security)

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5/8/2 (Item 1 from file: 8)

0015590533 **E.I. COMPENDEX No:** 2003347599725

Protected data storage system for optical discs

Publication Date: 20030820

Conference Title: 2003 Digest of Technical Papers: International Conference on Consumer Electronics

5/8/3 (Item 1 from file: 275)

Gale Group Computer DB(TM)

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02977935 **Supplier Number:** 146778082 (Use Format 7 Or 9 For FULL TEXT)

PCs Seen Playing Key Role in HD-DVD vs. Blu-ray War.

June 7 , 2006

Word Count: 585 **Line Count:** 00046

Company Names: Reuters Group PLC; Sony Corp.; Toshiba Corp.

Geographic Codes/Names: 4EUUK United Kingdom; 9JAPA Japan

Descriptors: Consumer electronics industry

Product/Industry Names: 7350000 (News Syndicates & Wire Svcs)

SIC Codes: 7383 News syndicates; 3651 Household audio and video equipment

NAICS Codes: 51411 News Syndicates

Ticker Symbols: RTR; SNE

File Segment: CD File 275

5/8/4 (Item 2 from file: 275)

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02977049 **Supplier Number:** 146733176 (Use Format 7 Or 9 For FULL TEXT)

PCs Seen Playing Key Role in HD-DVD vs. Blu-ray War.(personal computers, high density digital videodisks)

June 6 , 2006

Word Count: 585 **Line Count:** 00046

Geographic Codes/Names: 9TAIW Taiwan

Descriptors: Computer industry; Microcomputer industry; Digital video disk

Event Codes/Names: 010 Forecasts, trends, outlooks;350 Product standards, safety, & recalls

SIC Codes: 3571 Electronic computers

File Segment: CD File 275

5/8/5 (Item 3 from file: 275)

Gale Group Computer DB(TM)

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02681569 **Supplier Number:** 97821555 (Use Format 7 Or 9 For FULL TEXT)

2003 and beyond: what's next? Smaller hardware, wireless everywhere, and (at long last) true convergence. (News & Trends).

March , 2003

Word Count: 3171 **Line Count:** 00246

Geographic Codes/Names: 1USA United States

Descriptors: Computer industry; Microcomputer industry; Consumer electronics industry; Market trend/market analysis

Event Codes/Names: 010 Forecasts, trends, outlooks

File Segment: CD File 275

5/8/6 (Item 4 from file: 275)

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01792732 **Supplier Number:** 16944939 (Use Format 7 Or 9 For FULL TEXT)

Multimedia source guide.(Supplement to T.H.E. Journal)(Buyers Guide)

May , 1995

Word Count: 37519 **Line Count:** 03053

Descriptors: Multimedia Technology; Technology Information; Technology Overview; Hardware Buyers' Guide; Software Buyers' Guide

File Segment: CD File 275

5/8/7 (Item 5 from file: 275)

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01710786 **Supplier Number:** 16235983 (Use Format 7 Or 9 For FULL TEXT)

1995 Seybold Report vendor directory: addresses of companies appearing in the Seybold Report on Publishing Systems and the Seybold Report on Desktop Publishing. (Seybold Special Report) (Directory)

Oct 31 , 1994

Word Count: 33380 **Line Count:** 02541

Descriptors: Electronic Publishing; DTP Software; Prepress; Vendors; Directory

SIC Codes: 2700 PRINTING AND PUBLISHING; 2759 Commercial printing, not elsewhere classified

File Segment: CD File 275

5/8/8 (Item 6 from file: 275)

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01544122 **Supplier Number:** 12873555 (Use Format 7 Or 9 For FULL TEXT)

Computer-powered sailing. (data processing in the America's Cup yacht race) (Includes related article on technical aspects of sailing) (Information Technology at Work supplement)

Nov , 1992

Word Count: 8312 **Line Count:** 00615

Special Features: illustration; photograph; chart; graph

Descriptors: Sports; Data Communications; Case Study; America's Cup races; Efficiency; Data Collection

File Segment: CD File 275

5/8/9 (Item 7 from file: 275)

Gale Group Computer DB(TM)

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01526479 **Supplier Number:** 12320404 (Use Format 7 Or 9 For FULL TEXT)

Bulletin boards. (Directory)

August , 1992